

FIG. 1

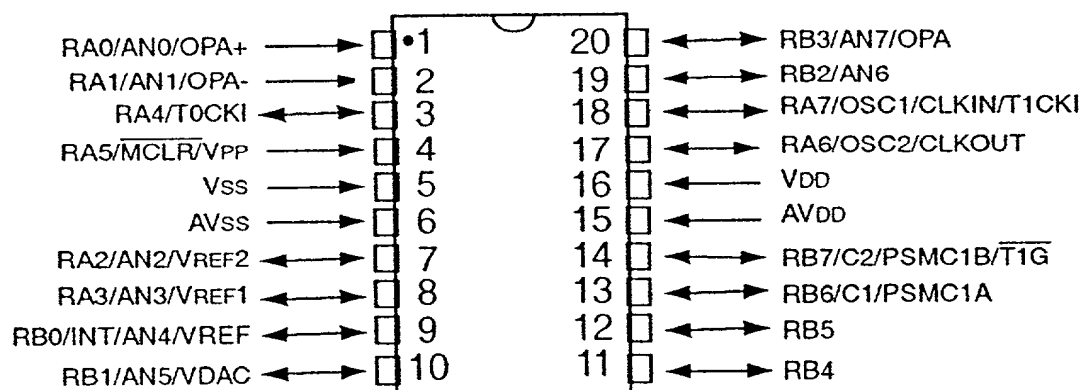
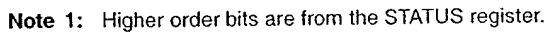
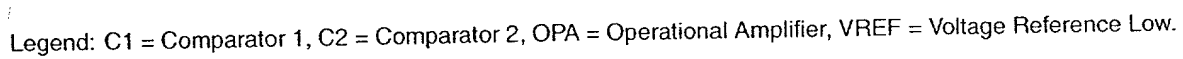


FIG. 2

[illegible]

2: AVDD and AVSS pins are used for the following modules: C1, C2, OPA, DAC, ADC, and VREF.

| Table 1. Demographic characteristics of the study population | |
|--|----------------------------|
| Age (years) | 50.0 ± 10.0 |
| Gender | Male: 50 (50%) |
| Female: 50 (50%) | |
| Education level | High school: 30 (30%) |
| University: 20 (20%) | |
| Marital status | Married: 40 (40%) |
| Single: 10 (10%) | |
| Divorced: 10 (10%) | |
| Widowed: 10 (10%) | |
| Occupation | Retired: 30 (30%) |
| Unemployed: 20 (20%) | |
| Employed: 10 (10%) | |
| Student: 10 (10%) | |
| Health status | Good: 30 (30%) |
| Fair: 20 (20%) | |
| Poor: 10 (10%) | |
| Very poor: 10 (10%) | |
| Smoking status | Smoker: 30 (30%) |
| Non-smoker: 20 (20%) | |
| Alcohol consumption | Alcohol consumer: 30 (30%) |
| Non-alcohol consumer: 20 (20%) | |
| Family size | 1-2: 30 (30%) |
| 3-4: 20 (20%) | |
| 5-6: 10 (10%) | |
| 7-8: 10 (10%) | |
| 9-10: 10 (10%) | |
| 11-12: 10 (10%) | |
| 13-14: 10 (10%) | |
| 15-16: 10 (10%) | |
| 17-18: 10 (10%) | |
| 19-20: 10 (10%) | |
| 21-22: 10 (10%) | |
| 23-24: 10 (10%) | |
| 25-26: 10 (10%) | |
| 27-28: 10 (10%) | |
| 29-30: 10 (10%) | |
| 31-32: 10 (10%) | |
| 33-34: 10 (10%) | |
| 35-36: 10 (10%) | |
| 37-38: 10 (10%) | |
| 39-40: 10 (10%) | |
| 41-42: 10 (10%) | |
| 43-44: 10 (10%) | |
| 45-46: 10 (10%) | |
| 47-48: 10 (10%) | |
| 49-50: 10 (10%) | |
| 51-52: 10 (10%) | |
| 53-54: 10 (10%) | |
| 55-56: 10 (10%) | |
| 57-58: 10 (10%) | |
| 59-60: 10 (10%) | |
| 61-62: 10 (10%) | |
| 63-64: 10 (10%) | |
| 65-66: 10 (10%) | |
| 67-68: 10 (10%) | |
| 69-70: 10 (10%) | |
| 71-72: 10 (10%) | |
| 73-74: 10 (10%) | |
| 75-76: 10 (10%) | |
| 77-78: 10 (10%) | |
| 79-80: 10 (10%) | |
| 81-82: 10 (10%) | |
| 83-84: 10 (10%) | |
| 85-86: 10 (10%) | |
| 87-88: 10 (10%) | |
| 89-90: 10 (10%) | |
| 91-92: 10 (10%) | |
| 93-94: 10 (10%) | |
| 95-96: 10 (10%) | |
| 97-98: 10 (10%) | |
| 99-100: 10 (10%) | |



Note 1: C1 and C2 outputs are available internally and can be brought out to pins